

SUMMER 2016 PROFESSIONAL LEARNING

MATH

Achieving Success in the Algebra II and Calculus Classroom with Underserved Students

Algebra to AP Calculus
July 21-22 \$285

Give your students the best possible chance of passing the AP exam and End of Course, and ensure success in college-level courses by learning research-proven strategies, activities, and assessment ideas.

ACT Boot Camp for Math Teachers

Grades 8-12
July 19-20 \$250

Develop course intervention strategies and student support systems that move away from a single focus on last minute test taking tips. Work collaboratively to create challenging growth goals for your students and develop instructional strategies to empower and engage all students utilizing critical components of the College and Career Readiness Standards.

Building Student Success in Algebra

Grades 7-12 (Pre-Algebra & Algebra 1)
June 27-28 \$275

Learn research-proven strategies, activities, and assessment ideas that make a difference in the teaching and learning of "Algebraic Thinking." Develop rich tasks that promote algebraic thinking while making connections among all representations, focusing on reasoning and problem solving. Leave with a variety of rich tasks and the information needed for orchestrating discourse in your classroom.

SCIENCE

NGSS Workshops

Grades K-12

Experience activities as a learner and discuss implications for best practice and highly effective teaching with other professionals. Leave each session with examples, resources, and a deepened understanding of how to implement the NGSS.

1-Day Short Courses \$125

Strengthen grade-level specific understanding of content and supporting science and engineering practices.

Weather and Climate

June 28 *Grades K & 3*

Earth Systems

June 29 *Grades 2, 4 & 5*

Space Systems

June 30 *Grades 1 & 5*

2-Day Learn & Apply Sessions K-12 \$250

Concentrated time to deepen understanding of critical components, examine support resources, and develop a product for use in the classroom. Leave with examples, resources, processes, and a useable classroom product.

Developing Units

June 13-14

Developing Classroom Assessments

June 21-22

ACT Boot Camp for Science Teachers

Grades 9-12

June 23-24 \$250

Practice strategies for accessing complex texts, analyzing data and opposing arguments. Develop tasks requiring these key processes and build a bank of test prep strategies to support learning. Experience the kind of learning that you want to provide for your students!

ANY CONTENT

Increasing Student Engagement

June 16-17 \$250 *K-12*

Create a classroom where everyone is engaged, thinking and learning! In this two-day session, participants will learn strategies that increase student engagement and promote critical thinking skills - both of which are essential to student's conceptual understanding of content - including:

- ◆ Explaining the relationship between engagement and cognitive load
- ◆ Analyzing a lesson to determine the degree of cognitive engagement of students
- ◆ Explaining the relationship between formative assessment, student motivation and engagement
- ◆ Integrating techniques into daily lesson plans and unit plans that result in cognitive engagement of all students

SPECIAL EVENT

Exceeding Expectations through Formative Assessment - The Key to Student Progress

November 1, 2016 \$150



Shirley Clarke is the foremost expert in the practical application of the principles of formative assessment.

For more information on any of these opportunities including registration, visit
www.uky.edu/pimser